

Appl. No. 09/921,522
Reply to Office Action of June 7, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-22 (canceled)

Claim 23 (new): A wireless transmission method for use with a wireless network comprising a plurality of wireless transmission apparatuses and on which a predetermined wireless transmission band is reserved and a wireless transmission is carried out, the method comprising:

measuring a transmission error occurrence situation by a wireless transmission apparatus acting as a receiving station; and

reporting a transmission error occurrence situation to an arbitrary wireless transmission apparatus among said plurality of wireless transmission apparatuses other than the wireless transmission apparatus acting as said receiving station based on said measured results, wherein a modulation system and a convolutional coding ratio serve as parameters for use in carrying out said wireless transmission, wherein reporting the transmission error occurrence situation includes reporting the transmission error occurrence situation to a wireless transmission apparatus acting as a reserving station of a band reserving transmission among said plurality of wireless transmission apparatuses, the wireless transmission apparatus acting as said reserving station determining the modulation system and convolutional coding ratio parameters used in carrying out said wireless transmission, and reserving a necessary wireless transmission band.

Claim 24 (new): A wireless transmission method for use with a wireless network comprising a plurality of wireless transmission apparatuses and on which a predetermined wireless transmission band is reserved and a wireless transmission is carried out, the method comprising:

Best Available Copy

Appl. No. 09/921,522

Reply to Office Action of June 7, 2005

measuring a transmission error occurrence situation by a wireless transmission apparatus acting as a receiving station; and

reporting a transmission error occurrence situation to an arbitrary wireless transmission apparatus among said plurality of wireless transmission apparatuses other than the wireless transmission apparatus acting as said receiving station based on said measured results, wherein a modulation system and a convolutional coding ratio serve as parameters for use in wireless transmission, wherein reporting the transmission error occurrence situation comprises reporting the transmission error occurrence to a wireless transmission apparatus acting as a control station among said plurality of wireless transmission apparatuses, wherein the wireless transmission apparatus acting as said control station determining the modulation and convolutional coding ratio parameters used in carrying out said wireless transmission, and reserving a necessary wireless transmission band.

Claim 25 (new): A wireless transmission method for use with a wireless network comprising a plurality of wireless transmission apparatuses and on which a predetermined wireless transmission band is reserved and a wireless transmission is carried out, the method comprising:

measuring a transmission error occurrence situation by a wireless transmission apparatus acting as a receiving station; and

reporting a transmission error occurrence situation to an arbitrary wireless transmission apparatus among said plurality of wireless transmission apparatuses other than the wireless transmission apparatus acting as said receiving station based on said measured results, wherein a modulation system and a convolutional coding ratio serve as parameters for use in wireless transmission, wherein reporting the transmission error occurrence situation includes reporting the transmission error occurrence to a wireless transmission apparatus acting as a transmitting station of a band reserving transmission among said plurality of wireless transmission apparatuses, the wireless transmission apparatus acting as said transmitting station determining the modulation and convolutional coding ratio parameters used in carrying out said wireless transmission; and reserving a necessary wireless transmission band.

Best Available Copy

Appl. No. 09/921,522

Reply to Office Action of June 7, 2005

Claim 26 (new): A wireless transmission method for use on a wireless network constructed from a plurality of wireless transmission apparatus, the method comprising:

reserving a predetermined wireless transmission band;

carrying out a wireless transmission wherein a transmission error occurrence situation is measured by a wireless transmission apparatus acting as a receiving station among said plurality of wireless transmission apparatus, a modulation system and a convolutional coding ratio serving as parameters for use in transmission are determined based on the measured results and wherein an arbitrary wireless transmission apparatus other than the wireless transmission apparatus acting as the receiving station among said plurality of wireless transmission apparatus is informed of the modulation system and the convolutional coding ratio serving as the parameters thus determined; and

reporting said modulation system and said convolutional coding ratio thus determined to a wireless transmission apparatus acting as a reserving station of a band reserve transmission among said plurality of wireless transmission apparatus, and reserving a necessary wireless transmission band by the wireless transmission apparatus acting as the reserving station.

Claim 27 (new): A wireless transmission method for use on a wireless network constructed from a plurality of wireless transmission apparatus, the method comprising the steps of:

reserving a predetermined wireless transmission band;

carrying out a wireless transmission wherein a transmission error occurrence situation is measured by a wireless transmission apparatus acting as a receiving station among said plurality of wireless transmission apparatus, a modulation system and a convolutional coding ratio serving as parameters for use in transmission are determined based on the measured results and wherein an arbitrary wireless transmission apparatus other than the wireless transmission apparatus acting as the receiving station among said plurality of wireless transmission apparatus is informed of the modulation system and the convolutional coding ratio serving as the parameters thus determined; and

reporting said modulation system and said convolutional coding ratio serving as the parameters thus determined to a wireless transmission apparatus acting as a control station

Best Available Copy

Appl. No. 09/921,522

Reply to Office Action of June 7, 2005

among said plurality of wireless transmission apparatuses, and reserving a necessary wireless transmission band by the wireless transmission apparatus acting as the control station.

Claim 28 (new): A wireless transmission method for use on a wireless network constructed from a plurality of wireless transmission apparatus, the method comprising:

reserving a predetermined wireless transmission band;

carrying out a wireless transmission wherein a transmission error occurrence situation is measured by a wireless transmission apparatus acting as a receiving station among said plurality of wireless transmission apparatus, a modulation system and a convolutional coding ratio serving as parameters for use in transmission are determined based on the measured results and wherein an arbitrary wireless transmission apparatus other than the wireless transmission apparatus acting as the receiving station among said plurality of wireless transmission apparatus is informed of the modulation system and the convolutional coding ratio serving as the parameters thus determined; and

reporting said modulation system and said convolutional coding ratio serving as the parameters thus determined to a transmitting station of a band reserve transmission among said plurality of wireless transmission apparatuses, and reserving a necessary wireless transmission band by said wireless transmission apparatus acting as the transmitting station.

Best Available Copy